ABSTRACT OF THE DISCLOSURE

A multivariate space processing apparatus and method in which visualization is carried out by image processing alone and without a modeling process. In the apparatus, a

5   preprocessing unit degenerates multivariate data into three variates; a conversion unit specifies a reference variate among the three variates, then determines values for the two remaining variates at two predetermined values of the reference variate, so that a first image and a second image

10 based on the two remaining variates and corresponding to the two predetermined values are generated; a matching processor computes a matching between the first image and the second image; and an intermediate image generator generates an intermediate image of the first and second images based on the

15 matching. Preferably, a display control unit displays the intermediate image on a display.